

Converting Colors

CIELCh(30, 117.374, 305.647)

Have a look what the booklet for
CIELCh(30, 117.374, 305.647)
contains.

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Color

CIELCh(30, 117.198, 305.629)

Conversions

Conversions Part 1

Format	Color
Hex	1915E2
RGB	25, 21, 226
RGB Percent	10%, 8%, 89%
CMY	0.9017, 0.9176, 0.1137
CMYK	0.89, 0.91, 0.00, 0.11
HSL	241°, 83%, 48%
HSV	241°, 91%, 89%
XYZ	14.3997, 6.2359, 72.4062
YIQ	45.5660, -63.4210, 64.6030

Conversions

Conversions Part 2

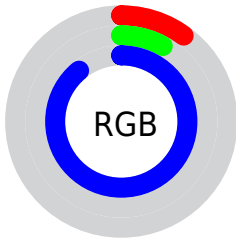
Format	Color
R_{YB}	25, 21, 226
Decimal	1644002
CIE Lab	30.00, 68.27, -95.26
CIE LCh	30, 117.198, 305.629
Yxy	6.2359, 0.1548, 0.0670
Android (android.graphics.Color)	4279834082 (0xFF1915E2)
YUV	45.5660, 88.9540, -18.0364
Hunter-Lab	24.9718, 59.2293, -154.4323




Details

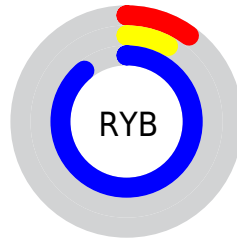
The CIELCh color **30, 117.198, 305.629** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **87, 86.510, 104.158**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 101.972, 305.814**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 122.060, 306.333**, and if you desaturate by 10%, it is **34, 107.712, 304.241**.

Distribution







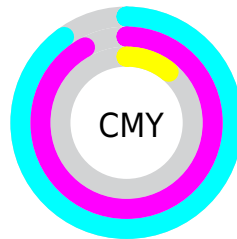
-  Red (10%)
-  Green (8%)
-  Blue (89%)






-  Red (10%)
-  Yellow (8%)
-  Blue (89%)



-  Cyan (89%)
-  Magenta (91%)
-  Yellow (0%)
-  Black (11%)





-  Cyan (90%)
-  Magenta (92%)
-  Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 117.198, 305.629 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 30, 117.198, 305.629 by changing the saturation by 10% instead.


 30, 117.198,
305.629


 30, 117.198,
305.629


 100, 117.198,
305.629


 20, 117.198,
305.629


 50, 117.198,
305.629


 10, 117.198,
305.629

 60, 117.198,
305.629

 0, 117.198,
305.629

 70, 117.198,
305.629

 80, 117.198,
305.629

 90, 117.198,
305.629

■ 30, 117.198,
305.629

■ 30, 117.198,
305.629

■ 28, 122.060,
306.333

■ 34, 107.712,
304.241

■ 39, 94.874,
302.321

■ 45, 80.614,
300.206

■ 52, 66.142,
298.147

■ 60, 52.007,
296.277

■ 67, 38.398,
294.640

■ 75, 25.351,
293.235

■ 82, 12.844,

292.042

■ 89, 0.839, 291.097

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30, 117.198, 305.629



87, 86.510, 104.158

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30, 117.198, 305.629



30, 117.198, 355.629



30, 117.198, 125.629



30, 117.198, 175.629

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30, 117.200, 305.630



78, 36.958, 294.119



81, 44.168, 198.863



38, 25.086, 294.626



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 117.200, 305.630



32, 133.730, 306.326



39, 109.459, 312.714



43, 6.756, 291.905



21, 101.202, 306.349



2, 31.661, 296.311

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 102.075, 328.918



60, 113.756, 329.050



81, 96.878, 127.787



44, 8.045, 325.473



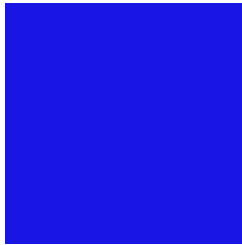
42, 86.150, 329.031



8, 35.456, 328.893

Previews

White Background



This preview shows how the CIE LCh color 30, 117.198, 305.629 looks on a white background.

Color Contrast Check

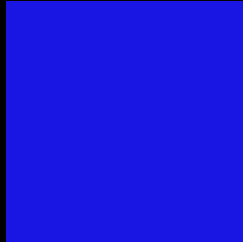
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 117.198, 305.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

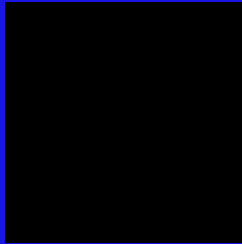
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 117.198, 305.629

Background



This preview shows how black text looks on a background with the CIELCh color 30, 117.198, 305.629.



This preview shows how white text looks on a background with the CIELCh color 30, 117.198,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30, 117.198, 305.629

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 32.774, 269.853



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 117.198, 305.629

Protanomaly
28, 77.074, 298.727

Deuteranomaly
27, 67.128, 296.195

Tritanomaly
26, 49.525, 289.479

Monochromacy



Original Color
30, 117.198, 305.629

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 49.704, 300.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 117.198, 305.629 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(25, 21, 226)` looks like.

```
.text, #text, p{  
    color:rgb(25, 21, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(25, 21, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 21, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 117.198, 305.629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(25, 21, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(25, 21, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(25, 21, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 21, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 21, 226);  
box-shadow:4px 4px 4px 4px rgb(25, 21,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 117.198, 305.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 21, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(25, 21,  
226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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